

## ABSTRACT

Precision in adjustment of filtering characteristics of a high frequency device is improved by providing a high frequency device comprising a first filter, a frequency converter, and a second filter. The high frequency device comprises a high frequency filter for extracting signal components in a predetermined frequency band from an input signal; a frequency converter for converting frequency of the signal components extracted by the high frequency filter; and an intermediate frequency filter for extracting signal components in a predetermined frequency band from the signal components, the frequency of which is converted by the frequency converter. The high frequency device further comprises a bypass circuit provided in parallel to the intermediate frequency filter downstream of the high frequency filter; and a switching mechanism including a switching circuit for switching connection of a signal path downstream of the high frequency filter to either the intermediate frequency filter or the bypass circuit. Because the intermediate frequency filter can be in a disconnected state while the high frequency device is in adjustment operation, effects of the intermediate frequency filter on adjustment can be suppressed.

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